Title	Abstract

Air Quality

Interagency Monitoring of Air Quality/Visibility in Protected Environments

Project start date: 1/1/1988 *Project end date:* 12/2/2002
Contact: Paynter, Jon *Format:* ASCII

Two days per week sampling of selected aerosols; data for mass, elemental and organic carbon, sulfur dioxide, nitrates, sodium- lead, hydrogen, nitrogen, and promethium mass.

NADP (National Atmospheric Deposition Network) Wet Deposition Data

Project start date: 1/1/1980 *Project end date:* 12/2/2002
Contact: Paynter, Jon *Format:* ASCII

Weekly precipitation chemistry data; analysis of pH, conductivity, calcium, magnesium, potassium, sodium, ammonia, nitrates, chlorine, sulfates, and phosphates.

Troposphere Ozone Data

Project start date: 1/1/1987 *Project end date:* 12/2/2002
Contact: Paynter, Jon *Format:* dBase, ASCII

Hourly ozone data sampled at 5m above the ground.

Botany

List of Flora for DENA

Project start date: *Project end date:*
Contact: Paynter, Jon *Format:*

List of Flora at Denali NP&P, NPFLORA

LTEM - Annual estimates of annual radial growth of selected white spruce trees within the permanent vegetation plots

Project start date: 6/15/1992 *Project end date:* 9/15/2001
Contact: Roland, Carl *Format:* MS Access

Dendrometer bands were installed in 1992 on the same set of trees that were selected for the cone counts. These simple devices are used to measure the expansion of the bole of each selected white spruce tree on an annual basis. Technicians read these dendrometers bands each year in late August or early Septemeber in order to determine the total annual growth for the preceding year.

LTEM - Annual estimates of number of cones produced by selected trees within permanent vegetation plots

Project start date: 6/15/1992 *Project end date:* 9/15/2001
Contact: Roland, Carl *Format:* MS Access

Each August the number of white spruce cones produced by the trees in the permanent monitoring plots are estimated through cone counts performed on a random subset of trees. Technicians use binoculars to count cones on six individual spruce trees in each permanent vegetation monitoring plot in the forest sites. Because there are not six trees in the treeline sites, cone counts are performed on all of the trees that occur within the inner permanent plots in the treeline sites.

Title			Abstract
LTEM - Annual estimates of white spruce seed rain within the permanent vegetation plots			
Project start date: 6/15/1992	*Project end date:* 9/15/2001		We estimate the total white spruce seed rain and number of viable seeds that fall in the forest and treeline vegetation plots by placing a set of six seed traps out each fall, and collecting them in early spring. White spruce seeds are sorted from litter and counted. These seeds are then subjected to carefully controlled germination trials. The number of seeds that germinate are recorded following these germination trials.
Contact: Roland, Carl	*Format:* MSAccess		
LTEM - Berry counts of six species in Rock Creek vegetation plots			
Project start date: 1/1/1994	*Project end date:* 1/1/1997		Included as part of the LTEM Vegetation Monitoring Protocol development. Data on berry counts for six species in Rock Creek vegetation study plots since 1994.
Contact: Paynter, Jon	*Format:* paper, Access, Excel		
LTEM - Cover measurements within vegetation plots			
Project start date:	*Project end date:*		The community composition and dominance of the ground level vegetation was recorded by the technicians who installed the plots in 1992-3. The methods used were to estimate the cover of the ground surface for each species in a set of twelve 1 m2 quadrats. Percent cover of the ground surface by shrubs was estimated in four 4 m2 quadrats in each plot.. There are serious problems with the use of this methodology for long term monitoring, relating to the potential for large differences among observers.
Contact: Roland, Carl	*Format:* MS Access		
LTEM - Resource Management Vegetation			
Project start date:	*Project end date:*		Various files from Reseanne Densmore's work with LTEM Rock Creek
Contact: Paynter, Jon	*Format:*		
LTEM - Tree Measurements in Rock Creek			
Project start date: 6/1/1992	*Project end date:* 9/1/2000		Trees were mapped at the time that the plots were first installed in 1992-3. the location of each individual was recorded as an X.Y coordinate within the center 25 m x 25 m interior plots in the forest and treeline replicates. Each tree was measured for its diameter at breast height and its total height. The species identity and comments regarding condition of each tree were also recorded. Plot maps based on the location of these trees were produced for each plot where trees occurred.
Contact: Roland, Carl	*Format:* MS Access		
Rare Plant Population Inventory			
Project start date: 1/1/1986	*Project end date:* 12/2/2002		Field observations were carried out in summer of 1986 by NPS staff to determine if any of the plant species listed on the proposed Threatened and Endangered list (Murray, 1980) could be found in the Kantishna Hills
Contact: Paynter, Jon	*Format:*		
Road Dust Study			
Project start date:	*Project end date:*		Data of road dust study including 1994-95 vegetation, soil transects data from Roseanne Densmore and 1996 topographic profiles for Teklanika Flats transects.
Contact: Paynter, Jon	*Format:* dBase		

Title			Abstract
Seed Bank Collection			
Project start date: 7/10/1995	*Project end date:* 7/10/1997		Seed Bank Collection made up of mostly grasses and wildflowers stored (in freezer) for future revegetation use.
Contact: Paynter, Jon	*Format:* Microsoft Access		
Species List of Lichen in Denali National Park			
Project start date:	*Project end date:*		Species list of lichens found in Denali National Park. List compiled from literature search and not through field work.
Contact: Paynter, Jon	*Format:* MS Word		
Climatology			
LTEM - Climate Monitoring			
Project start date: 1/1/1923	*Project end date:* 12/30/2002		There are currently 14 climate stations in and around Denali National Park and Preserve that are generating data. Twelve of these sites are automated (Seven LTEM Stations, Four Remote Automated Weather Stations-RAWS, and one Air Quality Station) and record hourly readings. Different programs and networks are responsible for the different types of automated stations in the park, but all of the data are archived in the same location as part of LTEM. The data from the three National Weather Service (NWS) manual stations are also archived as part of LTEM.
Contact: Sousanes, Pam	*Format:* MSAccess		
LTEM - Rock Creek Automated Weather Observations			
Project start date: 1/1/1991	*Project end date:* 12/2/2002		Hourly records of weather parameters from automated observation stations located at six sites spanning the elevation gradient of the Rock Creek drainage near Park Headquarters. Project location: Rock Creek drainage
Contact: Sousanes, Pam	*Format:* Microsoft Access		
LTEM - Snow Surveys			
Project start date: 1/1/1990	*Project end date:* 9/2/2002		In cooperation with the U.S. Department of Agriculture Natural Resources Conservation Service (NRCS), snow data were collected on a monthly basis at Denali National Park and Preserve from November through April at thirteen sites in and around the park. Six of these sites are snow courses, requiring ground measurements, and seven are aerial markers. The information collected for the snow surveys includes snow depth, length of snow core, and sample weight. Snow density and snow water equivalent (SWE) are calculated from the collected data. Aerial surveys are conducted for sites that have no appropriate fixed wing landing area nearby. For the aerial surveys the snow depth is recorded and density is calculated using data from the nearest site.
Contact: Sousanes, Pam	*Format:* Paper		
Meteorological Data for Troposphere Ozone Study			
Project start date: 1/1/1987	*Project end date:* 12/2/2002		Hourly data for wind speed, wind direction, solar radiation, temperature, dew point, relative humidity, precipitation.
Contact: Paynter, Jon	*Format:* dBase, ASCII		

Title	Abstract
Remote Automated Weather Stations Observations (RAWS)	
Project start date: 1/1/1991 *Project end date:* 9/2/2002 *Contact:* Sousanes, Pam *Format:* MSAccess	Hourly weather observations telemetered via satellite to a national receiving center and archived at various locations for fire weather monitoring and climatology. Site locations: Wonder Lake, McKinley River, Lake Minchumina, Tokositna River.
Entomology	
Gypsy Moth Monitoring Program	
Project start date: *Project end date:* *Contact:* Paynter, Jon *Format:* Paper	In conjunction with a gypsy moth monitoring program pheromone traps were set up in two RV campgrounds and in the gravel parking area north of Lynx Creek. No gypsy moths were recoved. Project conducted during Summer 1993. Project locations are: Denali NP&P- Teklanika and Riley Creek campgrounds. Outside Denali NP&P- gravel parking area north of Lynx creek
LTEM - Development of Terrestrial Invertebrate Monitoring Protocol	
Project start date: 6/8/1992 *Project end date:* 6/8/1993 *Contact:* Paynter, Jon *Format:* Paper	The purpose of this study was to monitor terrestrial insect populations and their effects on vegetation while keeping the study plan compatible with studies currently being conducted worldwide in Boreal ecosystems.
Environmental Monitoring	
Road Dust Collected per Suppression Test Section	
Project start date: 6/8/1996 *Project end date:* 8/16/1996 *Contact:* Paynter, Jon *Format:*	Water filled pans collected dust generated on test sections of road, before and after treatment with calcium chloride and "Road Oyl".
Fire	
Fire Effects Monitoring System	
Project start date: 1/1/1956 *Project end date:* 9/30/2002 *Contact:* Paynter, Jon *Format:* Paper	Proposal was to monitor permanent vegetation cover sampling plots in DENA that were affected by fire in order to understand the fire-free interval for specific areas, fire intensity for fuel types, effects on soils and succession stage variation related to fuel types.
Fire History	
Project start date: 1/1/1956 *Project end date:* 9/30/2002 *Contact:* Paynter, Jon *Format:* paper, dBase, ASCII	Point locations for fires in Denali NP and P from 1956 to present with connecting table listing fire number, name, date and size in acres.
Fire Protection Boundary	
Project start date: 1/1/1983 *Project end date:* 9/30/2002 *Contact:* Paynter, Jon *Format:* dBase	GIS locations of fire suppression zones (developed areas that have different limits of suppression protection) throughout Denali National Park and Preserve.

Title		Abstract
Fuel Sampling		
Project start date:	*Project end date:*	Fuel samples taken to validate Canadian Fire Danger Rating System using Minchumina RAWS
Contact: Paynter, Jon	*Format:*	
Glaciology		
LTEM - Glacier Monitoring		
Project start date: 1/1/1991	*Project end date:* 12/2/2002	Field observations of glacier conditions at selected locations within Denali NP&P for monitoring of changes and determination of their relation to climate. Project location: glaciated regions of Denali NP&P.
Contact: Brease, Philip	*Format:* MSAccess	
History		
Letters and Photos from Charlie Ott		
Project start date:	*Project end date:*	Letters exchanged with Charlie Ott with responses to specific questions. Charlie -NPS employee, professional photographer McKinley area 1954-1980s. Tramped with Adolf Murie. Gave park black and white photos and negatives for NPS files.
Contact: Paynter, Jon	*Format:* paper, letters, negatives b/w photos	
Oral Interview of Beatrice Herning		
Project start date:	*Project end date:*	One hour audio tape, CCC camp 1938-39, husband Harold Herning was NPS ranger, he built Herning cabin and had a mining claim on Mt Eielson. Excerpts supt.'s monthly reports, information on mining claims and cabin.
Contact: Paynter, Jon	*Format:* audio tape, paper	
Oral Interview of Bill Nancarrow		
Project start date:	*Project end date:*	10 hours of audio tape. An area resident and long-time NPS employee in various capacities, 1948 to present. Focus is history of his life and local events, with more details about local people and natural history.
Contact: Paynter, Jon	*Format:* audio tape	
Oral Interview of Denise Abbey		
Project start date:	*Project end date:*	Oral interview, notes only. Denise's father, Woodbury Abbey, was Chief Surveyor on original park boundary. As a child Denise lived at McKinley Station in early 1920s, attended school, and traveled throughout the park with her family in 1922.
Contact: Paynter, Jon	*Format:* paper - notes	
Oral Interview of Jessie Murray		
Project start date:	*Project end date:*	30 minute audio tape. Ninety-one year old Montana lady who was a visitor to Savage River Tourist Camp in 1928. Interview has been transcribed. Photo album with photos of Savage Camp, Curry Hotel, University of Alaska buildings.
Contact: Paynter, Jon	*Format:* audio tape, photos	

Title		Abstract
Oral Interview of Louise Gallop		
Project start date:	*Project end date:*	Two hours of audio tape. Owner of Discovery Claim on Friday Creek, purchased claim 1967, sold claim along with cabin to NPS in 1995. Focuses on her claim and operations there. 1997 photo of Louise at Friday Creek and Gallop cabin.
Contact: Paynter, Jon	*Format:* audio tape, photos	
Oral Interview of Mary Tallman Lee		
Project start date:	*Project end date:*	45 minute audio tape. Mary Tallman Lee was CAA radio operator at Summit, 1941-44. 1997 photo of Mary.
Contact: Paynter, Jon	*Format:* audio tape, photos	
Oral Interview of Ted Lachelt		
Project start date:	*Project end date:*	30 minute audio tape. Ted Lachelt 1950-59 built Eagles' Nest cabin, Kantishna. In 1953 he snowshoed some 1,000 miles in park surveying for wolverine, in 1954 he worked as NPS naturalist, laborer. Later he was a civil engineer for Eielson Visitor Center.
Contact: Paynter, Jon	*Format:* audio tape, notes, 1 photo	
Hydrology (Surface)		
LTEM - Surface Hydrology Data		
Project start date: 1/1/1992	*Project end date:* 1/1/1997	Data describing stream channel morphometry and surface water hydrology: Cross sections, slope, bed material, and stage data. Related LTEM data: water chemistry, aquatic macroinvertebrates.
Contact: Paynter, Jon	*Format:*	
Invertebrates		
LTEM - Aquatic Invertebrates		
Project start date: 1/1/1992	*Project end date:* 1/1/2002	This portion of the LTEM program studied macroinvertebrate communities in a single watershed - Rock Creek, then expanded the work to more of the park to develop a broader understanding of the river and streams and their macroinvertebrate communities, and finally continued to monitor macroinvertebrate communities at a number of sites along the park road established earlier to describe natural patterns of variation.
Contact: Oakley, Karen	*Format:* MSExcel	
Mammalogy		
List of Fauna for DENA		
Project start date:	*Project end date:*	List of fauna at Denali NP and Preserve
Contact: Paynter, Jon	*Format:*	

Title			Abstract
LTEM - Small Mammal Monitoring			
Project start date: 1/1/1992	*Project end date:* 12/1/1998		Establish sampling protocol for long term monitoring comparable to other small mammal studies in Arctic regions. Determine density estimates in riparian and forest habitats Rock Creek. Document presence of dark morph Clethrionomys rutilus.
Contact: Rexstad, Eric	*Format:* msAccess		
Small Mammal Inventory in Park Road Corridor and at 1956 Viereck Study Plots			
Project start date:	*Project end date:*		Preliminary surveys along road corridor locating areas of promising vegtative and faunal characterisation for future sites for small mammal monitoring plots. Locations identified: McKinley Bar, Moose Creek, Toklat, Teklanika drainages.
Contact: Paynter, Jon	*Format:* Paper		
Management/Administration			
Cultural Resource Management Assessment Program (CRMAP)			
Project start date: 1/1/1996	*Project end date:* 12/2/2002		CRMAP is a process used to identify staffing deficiencies. Extensive data regarding park cultural resources was collected and entered into a program that calculated types of jobs and numbers of people required.
Contact: Paynter, Jon	*Format:* Paper		
DENA Backcountry Campsite database			
Project start date:	*Project end date:*		
Contact: Van Horn, Joe	*Format:*		
Resource Management Assessment Program (RMAP)			
Project start date: 1/1/1993	*Project end date:* 11/15/2002		RMAP is a process used to identify staffing deficiencies. Extensive data on park resources (e.g., miles of roads, trails, numbers of threatened species) was collected, and entered into a program that calculated types of jobs and numbers of people required.
Contact: Paynter, Jon	*Format:* Paper		
Resource Management Plan (RMP)			
Project start date: 1/1/1994	*Project end date:* 9/30/2002		Document that discusses current park resource management issues and concerns, future actions, funding, past accomplishments.
Contact: Paynter, Jon	*Format:*		
Ornithology			
Breeding Bird Survey			
Project start date: 1/1/1986	*Project end date:* 9/30/2002		Avian point counts are conducted along two routes on the park road (Savage, Toklat). Stops are 1/2 mile apart, count for 3 minutes and record number of each species seen or heard.
Contact: Paynter, Jon	*Format:* Paper		

Title	Abstract
Christmas Bird Count *Project start date:* 1/1/1967 *Project end date:* 9/30/2002 *Contact:* Paynter, Jon *Format:* Paper	In one day all birds seen or heard are recorded by species and count while birdwatching (walking, skiing, driving, etc) along with number of participants and miles surveyed.
LTEM - Monitoring Avian Productivity and Survivorship (MAPS) *Project start date:* 19910101 *Project end date:* 20021202 *Contact:* McIntyre, Carol *Format:* MSAccess	Birds are captured in mist nets. Data collected include species identification, extent of juvenile plumage, wing length, weight, molt.
LTEM - Monitoring Reproductive Performance of Golden Eagles and Gyrfalcons *Project start date:* 1/1/1988 *Project end date:* 9/30/2003 *Contact:* McIntyre, Carol *Format:* MSExcel	This monitoring program started in 1988, four years before the initiation of the Denali Long Term Ecological Monitoring Program (Denali LTEM). The initial goal of the monitoring program was to determine the abundance and distribution and describe the population ecology of both species. The project was funded by the Denali NP LTEM program beginning in 2000.
LTEM - On and Off Road Point Counts (ABO) *Project start date:* 19920601 *Project end date:* 20010930 *Contact:* McIntyre, Carol *Format:* MSAccess	Avian point counts are conducted on road (stop every 1/2 mi. and count for 3 minutes) and off road (points 250 meters apart and count for 5 minutes) to determine species abundance during breeding season.
LTEM - Spatial and Temporal Changes in Passerine Distribution and Abundance *Project start date:* 1/1/2001 *Project end date:* 9/30/2002 *Contact:* McIntyre, Carol *Format:* MSExcel	Sites located along randomly selected grids are sampled for presence of bird species. Data collected over 4-year period are analyzed for temporal and spatial chnages in the population.
North American Migration Count *Project start date:* 1/1/1994 *Project end date:* 9/30/2002 *Contact:* Paynter, Jon *Format:* Paper	In one day all birds seen or heard are recorded by species and count while birdwatching (walking, driving, etc) along with number of participants and miles surveyed.
Trumpeter Swan Monitoring *Project start date:* 1/1/1968 *Project end date:* 9/30/2002 *Contact:* Paynter, Jon *Format:* Paper	Aerial surveys conducted every five years to determine abundance and productivity of Trumpeter Swans (Cygnus buccinator) throughout state of Alaska.
Waterfowl Inventory and Monitoring *Project start date:* 19790601 *Project end date:* 20020601 *Contact:* Paynter, Jon *Format:* Paper	Aerial surveys conducted to determine habitat, abundance, and productivity of trumpeter swans in relation to facility development on the south side of the park. 1995, 1996 one day incidental surveys. Annual surveys proposed 1997.

Title	Abstract
Other	
Bibliographic Database in Procite *Project start date:* *Project end date:* *Contact:* Paynter, Jon *Format:* Procite	Bibliographic library that includes author, title, date of publication, keywords, and abstracts. Database only includes cultural and natural information relevant to Denali NP & P including final reports, mining reports, Masters' and PhD theses.
Denali NP&P Museum Cataloging Program *Project start date:* 1/1/1985 *Project end date:* 12/2/2002 *Contact:* Paynter, Jon *Format:* ANCS+ - Automated National Cataloging System	Denali's museum cataloguing program lists natural history specimens including an herbarium, geology and paleontology specimens, cultural artifacts, oral histories, archives, administrative files, research papers, photos, maps, and rare books.
Investigators Annual Reports *Project start date:* 1/1/1989 *Project end date:* 12/30/2002 *Contact:* Paynter, Jon *Format:* Paradox	Investigators Annual Reports organized since 1989 in a Paradox database. Information includes subject, report year, project title, investigators, objectives, findings, and list of reports produced.
Paleontology	
Database of Paleontological Studies *Project start date:* *Project end date:* *Contact:* Paynter, Jon *Format:* Microsoft Access	Data pertaining to Park-wide paleontological studies including bibliographic references, identification and taxonomy of collected fossils with age assignment and spatial, stratigraphic, and geologic descriptions of fossil-bearing localities. Location: Park-wide
Recreation/ Aesthetics	
Savage Check Station Statistics *Project start date:* 1/1/1996 *Project end date:* 9/30/1997 *Contact:* Paynter, Jon *Format:* Microsoft Excel	A record of all traffic that passes through Savage Check Station; includes data from NPS periods of operation and data from Concessions when Savage Check Station is closed. Data records date, vehicle type, number of passengers, destination, types of permits. Location is: west of Savage Check Station.
Trails and Nodes Monitoring Program *Project start date:* 1/1/1995 *Project end date:* 9/1/1997 *Contact:* Paynter, Jon *Format:* Microsoft Access, Paper, Photos	Development of comprehensive trails and nodes monitoring program for Denali NP&P. Consistenly assesses current trail and node impact status, tracks conditions at problem/sensitive sites, surveys for unknown impact areas, integrates historic trails. Project location is the Park-wide road corridor.

Title			Abstract
Wonder Lake Monitoring Program - 1997			
Project start date:	*Project end date:*		A study requested in Denali Front country Plan to monitor visitor activities- hiking, canoeing, bicycling, wildlife viewing, guided (by lodges) or not, in Wonder Lake area. Recorded with photos existing trail conditions and resource impacts.
Contact: Paynter, Jon	*Format:* paper, Excel, photos		
Restoration - Cultural			
Cabin Inventory			
Project start date: 1/1/1982	*Project end date:* 12/2/2002		Data collection of some 238 cabins and ruins in relation to fire protection status. Comprises historic, subsistence, patrol, and mining cabins with corresponding name, #'s, description, significance, historic references, location, and fire status.
Contact: Paynter, Jon	*Format:* paper, photos, Access, GIS layer		
Soil Science			
Chloride, Salinity, Conductivity and pH of Roadbed and Roadside Soils			
Project start date:	*Project end date:*		Testing for chlorice, salinity, conductivity, pH of roadbed and roadside soils adjacent to road before and after road is treated with calcium chloride (dust suppressant).
Contact: Paynter, Jon	*Format:* MS Excel, paper		
Chloride, Salinity, Conductivity, pH of Red Dog Haul Road			
Project start date:	*Project end date:*		Chloride, salinity, conductivity, and pH of soils measured in a transect perpendicular to a road treated with calcium chloride as a dust suppressent.
Contact: Paynter, Jon	*Format:* Paper		
LTEM - Development of Soils Monitoring Protocol			
Project start date: 1/1/1992	*Project end date:* 9/30/2002		Objectives of the proposal are to characterize the soil environment of Rock Creek watershed; to set up a pilot project to interphase the atmospheric and soil environmental parameters with vegetative associations to establish baseline database.
Contact: Paynter, Jon	*Format:* Paper		
LTEM - Soil/Water Chemical Relationships in Rock Creek			
Project start date: 5/9/1994	*Project end date:* 5/9/1996		Purpose of study is to quantify the movement of nutrients through the soil-plant-water system of the Rock Creek watershed. Soil water flow rate, soil water chem., stream water flow rate, stream water chem., stream water productivity are measured.
Contact: Paynter, Jon	*Format:* Paper		

Title			Abstract
LTEM - Soils Monitoring			
Project start date: 6/15/1993	*Project end date:* 9/30/2003		The initial soils study in the Rock Creek watershed was conducted by the SCS. This study consisted of two elements: (1) a baseline geographic inventory of existing soils and accessory properties across the Rock Creek watershed, and (2) detailed soil descriptions and characterizations of soil at four individual sites. The second component of the soil monitoring plan involved the establishment of long-term monitoring sites. Four sites were selected for long-term soils monitoring in the Rock Creek watershed. Finally, a parkwide soils inventory was conducted by NRCS. Soil delineations were made using stereoscopic photo-interpretation of color infrared photography.
Contact: Adema, Guy	*Format:* Paper, GIS layer		
Water Quality			
Chloride, Salinity, Conductivity and pH of Road Runoff and Ditch Water			
Project start date: 6/1/1996	*Project end date:* 8/1/1996		Testing for chloride, salinity, conductivity, and pH of road runoff and roadside ditch water before and after road is treated with calcium chloride (dust suppressant).
Contact: Paynter, Jon	*Format:* paper, Microsoft Excel		
LTEM - Monitoring of selected watersheds			
Project start date: 1/1/1994	*Project end date:* 1/1/1996		Continued field and laboratory sampling in selected watersheds throughout the park and outside in areas of potential concern due to proposed development. Instruments sample rivers from several hours to 2-3 days.
Contact: Paynter, Jon	*Format:* paper, Excel, dBase, Microsoft Access		
LTEM - Physical and Chemical status of surface waters			
Project start date: 1/1/1994	*Project end date:* 12/1/1996		This dataset is from an interdepartmental/interagency (USDA Forest Service/USDI National Park Service) cooperative study performed in 1994-1996 in Denali National Park and Preserve. Water samples were collected throughout the Park and Preserve from May through October 1994 -1996 to develop a set of baseline data describing the physical and chemical conditions of surface waters as part of the Long Term Environmental Monitoring program at Denali National Park and Preserve. Access (version 2.0)
Contact: Paynter, Jon	*Format:* MS Access 2.0 converted to Access97		
LTEM - Stream Channel Morphometry and Water Chemistry			
Project start date: 6/1/1992	*Project end date:* 7/15/1997		The aquatic systems component of the Denali LTEM program focused on two aspects of aquatic systems monitoring: water chemistry and stream channel morphometry. Water quality monitoring is often utilized as a method of ecosystem trend detection for wilderness areas. Characterizing surface water composition provides links to local geology, morphology, nutrient status, and biological productivity. The program was developed to monitor for such geomorphic changes using measurements of channel geometry.
Contact: Adema, Guy	*Format:* MS Access 97		

Title			Abstract
LTEM - Stream Water Quality Data			
Project start date: 1/1/1992	*Project end date:* 9/2/2002		Data describing water chemistry for LTEM site. Major ions, nutrients, chlorophyll A, water temperature, and others. Related LTEM data: aquatic macroinvertebrates, surface water, hydrology.
Contact: Paynter, Jon	*Format:* paper, dBase, ASCII		
Physical and Chemical Characterization of Streams and Rivers within DENA			
Project start date: 1/1/1994	*Project end date:* 12/30/1997		Water samples were collected from streams and rivers throughout the park to develop a set of baseline data describing the physical and chemical conditions of surface waters. Analyses were done both in the field and laboratory.
Contact: Paynter, Jon	*Format:* Paper, MS Access		
Wildlife Management			
1995 Ninety minute wildlife behavioral observations			
Project start date:	*Project end date:*		Observations of dall sheep, moose, caribou, grizzly bear and wolves were made along the Denali Park road corridor. Observations were the same as the five minute observations made in 1995 but these were made for a 90 minute duration.
Contact: Paynter, Jon	*Format:* paper, Microsoft Access		
Automated Park Road Traffic Counting			
Project start date: 5/1/1995	*Project end date:* 9/30/1997		Infared beam counters set up at six locations along Denali Park road to record traffic by hour and date.
Contact: Paynter, Jon	*Format:* 1995, 1996 Microsoft Access, ASCII		
Bear Information Management System (BIMS)			
Project start date: 1/1/1979	*Project end date:* 9/30/2002		BIMS data includes date/time, group number and type, visitor activity, location, description of bears, surrounding vegetation, interactions of bear/humans, distance to bear, if bear got food, property damage. Mgmt evaluates encounter and bear behavior.
Contact: Paynter, Jon	*Format:* Paradox, paper, UTMs		
Bus Driver Trip Logs - 1995			
Project start date: 5/1/1995	*Project end date:* 9/15/1995		Data for 1995 bus driver trip logs; include species, sex, age, number, location, vegetation, distance, for sightings of; moose, caribou, dall sheep, grizzly bear, fox, lynx, wolf, wolverine
Contact: Paynter, Jon	*Format:*		
Bus Driver Trip Logs - 1996			
Project start date: 1/1/1996	*Project end date:*		Data for 1996 bus driver trip logs included recording species, sex, age, #, location, vegetation, distance of moose, caribou, Dall sheep, grizzly bear, fox, lynx, wolf & wolverine. Statistics for passengers on and off bus was also recorded.
Contact: Paynter, Jon	*Format:* Microsoft Access		

Title			Abstract
Bus Driver Trip Logs - 1997			
Project start date:	*Project end date:*		Data for 1997 bus driver trip logs includes recording species, sex, age, number, location, vegetation, distance of moose, caribou, Dall sheep, grizzly bear, fox, lynx, wolf, wolverine.
Contact: Paynter, Jon	*Format:* Paper		
Distribution and Abundance of Arctic Ground Squirrels and Willow Ptarmigan			
Project start date: 5/1/1996	*Project end date:* 9/30/1997		Location and number of all arctic ground squirrels and willow ptarmigans seen along the Denali Park road from headquarters to Eielson Visitor Center. Data collected only in one direction during behavioral observation trips.
Contact: Paynter, Jon	*Format:* Paper		
Field Notes for Park Road Use/Wildlife Interactions: Behavioral Observe			
Project start date: 1/1/1995	*Project end date:* 12/30/1997		Records were kept of all species seen during behavioral observation trips along the Denali Park road. Species, number, sex and age composition of group, and mile-marker location were recorded.
Contact: Paynter, Jon	*Format:* Paradox for 1995 data; Paper for 1996-1997		
LTEM - Caribou Survey			
Project start date: 1/1/1986	*Project end date:* 12/30/2002		Since its inception in 1986, the goal of the wolf/prey research at Denali has been to monitor wolf and caribou populations in sufficient detail to determine the status and trends of these species while understanding interrelationships of the Denali wolf/prey system. The goal of this portion of the work is to determine population trends, calf production and survival, and adult survival in the Denali Caribou Herd.
Contact: Adams, Layne	*Format:* dBase		
LTEM - Wolf Population Monitoring			
Project start date: 1/1/1990	*Project end date:* 12/30/2002		Since its inception in 1986, the goal of the wolf/prey research at Denali has been to monitor wolf and caribou populations in sufficient detail to determine the status and trends of these species while understanding interrelationships of the Denali wolf/prey system.
Contact: Adams, Layne	*Format:* dBase		
Park Road Use / Wildlife Interaction Monitoring - A Pilot effort 1995			
Project start date: 4/1/1995	*Project end date:* 10/1/1995		Behavioral observation of Dall sheep, grizzly bear, caribou, moose, and wolves were make along the Denali Park road corridor. Observations were within 100 meters of either side of the Denali Park road and were condected for five minutes.
Contact: Paynter, Jon	*Format:* Paper, Microsoft Access database, disks		
Park Road Use / Wildlife Interactions: Behavioral Observations and Monitoring			
Project start date: 1/1/1996	*Project end date:* 12/1/1997		Fifteen minute behavioral observations of Dall sheep, moose, caribou, grizzly bear, and wolves were made within 500 meters of the Denali Park road between headquarters and Eielson Visitor Center
Contact: Paynter, Jon	*Format:*		

Title		Abstract
Road Wildlife Study		
Project start date:	*Project end date:*	Fifteen minute behavioral observations of Dall Sheep, moose, caribou, grizzly bear, and wolves were made within 500 meter of the Denali Park road between headdquarters and Eielson Visitor Center
Contact: Paynter, Jon	*Format:* Microsoft Access, Paper	